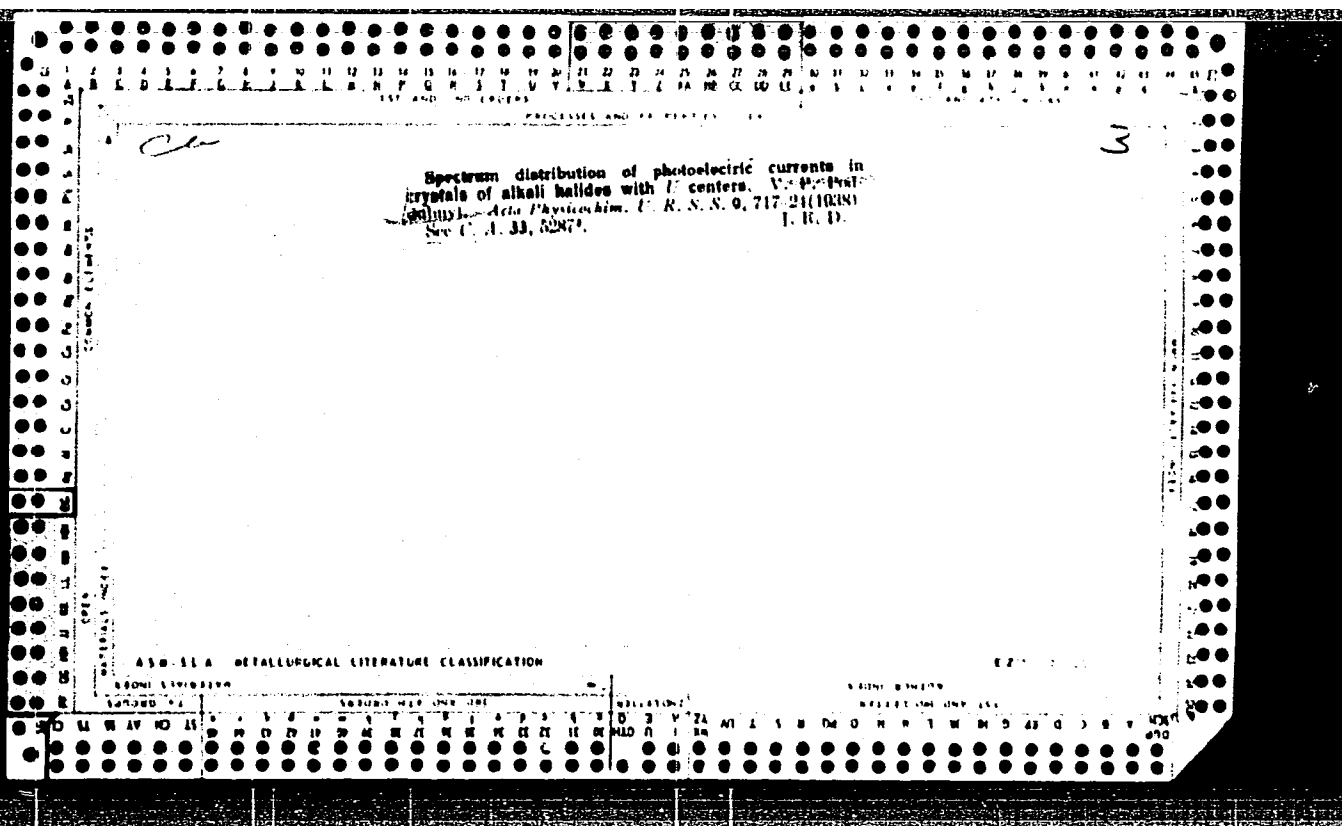


TEST AND CHECK CODES																									
PROCESSING AND PREPARED CODES													TEST AND CHECK CODES												
3 Inner photoelectric effect in potassium and sodium iodides by the action of ultraviolet radiation. V. P. Pudshewy. <i>Acta Physicochim. U. R. S. S. O.</i> 713 (1938).—See C. A. 33, 5287. J. E. D.																									
ASO-SEA METALLURGICAL LITERATURE CLASSIFICATION																									
103083 MET ONE ONE																									



PODDUBNYI, V.P.,
N.A. BRILLIANTOV, J. Exptl. Theoret. Phys. 8, 410-11(1938)

USSR/Geophysics - Ore Deposits

PODDUBNYI, V. N.

Mar/Apr 53

"~~USSR~~ Brief Communications"

Iz Ark Nauk

~~ISSR~~/SSSR, Ser Geol, No 2, pp 110-121

Subject communications are: "The Problem of the Origin of Iron Ores," V. N. Poddubnyy (on the order of a general discussion); ~~"In Connection with V. N. Poddubnyy's Article, 'The Problem of the Origin of Iron Ores' (in response to the previous)"~~ "The Relation Between Coal Strata and the Emission Rate of Methane from Coals," I. L. Ettinger, L. Ye. Shterenberg, and V. S. Yablokov; ^{and} "The Age of the Paleozoic Deposits of the Lower Reaches of the Urkan River (Basin of the Zeya River)" M. S. Nagibina.

25/T-49

PODDUBNYI, V.N.

The problem of the origin of iron ore. Izvest. Akad. Nauk S.S.S.R., Ser.
Geol. '53, No.2, 110-13.
(CA 47 no.22:12148 '53) (MLRA 6:4)

PODDUBNYI, V.N.

Burning of iron carbide. *Zhur.prikl.khim.* 26 no.7:766-770 J1 '53.
(MLBA 6:7)
(Iron carbide)

BC

7-1

Photo-electric current in alkali halide crystals with U centres under illumination with visible and ultra-violet light. V. E. KOPPEL (Acta Physicochim. U.R.S.S., 1961, 3, 708-711). The possibility of a direct transition of an electron from the U to the F level with the formation of F from U centres has been established for KCl. A photo-electric current is obtained by transferring electrons from the U level into the conductivity zone, with an intermediate state at the F level, during the simultaneous illumination of a crystal with U centres by narrow spectrum regions of ultra-violet or visible light.

C. R. H.

ASR-SLA METALLURGICAL LITERATURE CLASSIFICATION

BC

A-1

Inner photo-electric effect in potassium and sodium lattices by the action of ultra-violet radiation. V. P. KORPUNIN (Acta Physicochim. U.R.S.S. 1953, 9, 715-718). Spectral distribution curves for NaI and KI are reproduced. The possibility of electron transference from the lower zone of possible energy val. to the upper zone has been demonstrated.

C. R. H.

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND CRUISES

3RD AND 4TH CRUISES

COMMON ELEMENTS

COMMON VARIANTS MORE

1ST AND 2ND CRUISES

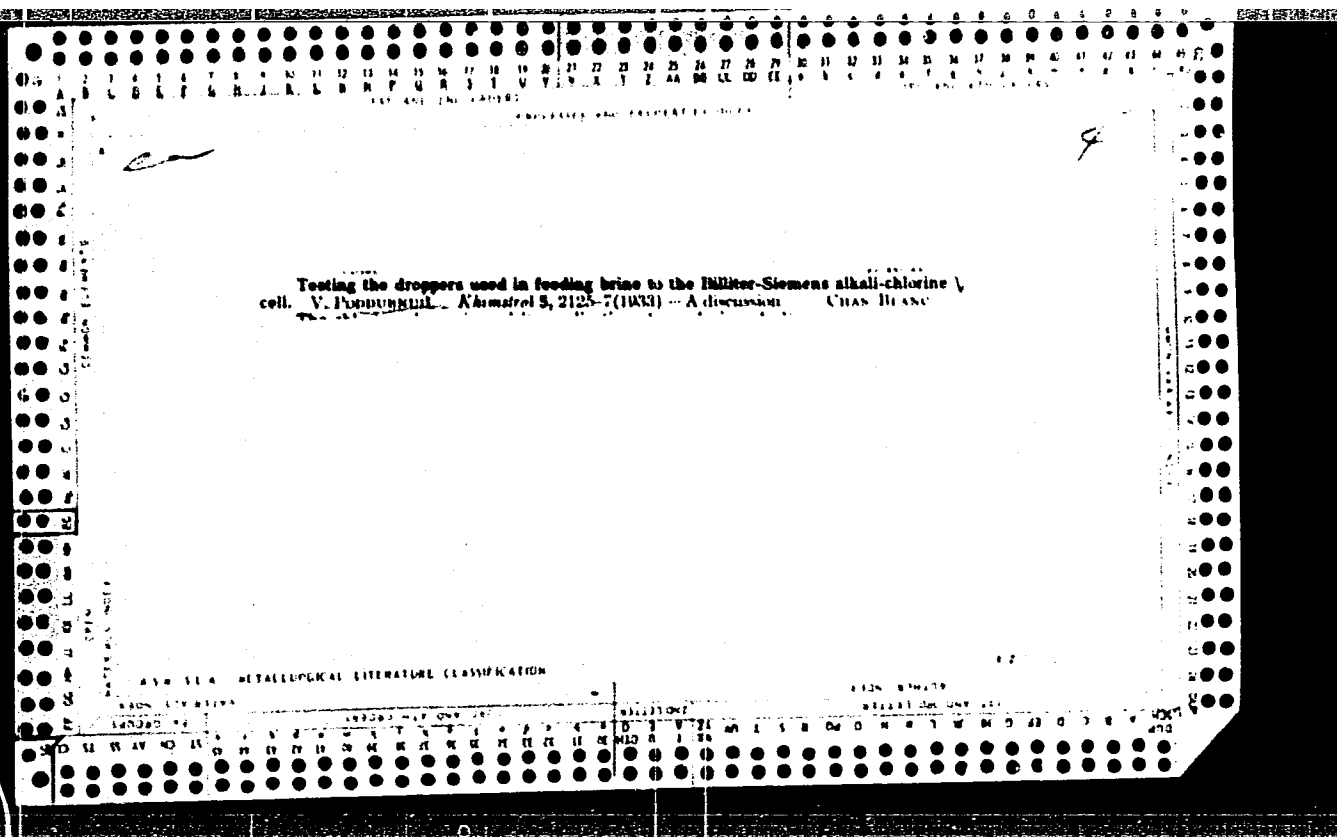
3RD AND 4TH CRUISES

COMMON ELEMENTS

COMMON VARIANTS MORE

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<i>BC</i> <i>A-1</i> Spectrum distribution of photo-electric currents in crystals of alkali halides with U centres. V. F. Poddurny (Acta Physicochim. U.R.S.S., 1938, 8, 717-724).—The spectrum distribution of the primary and secondary photo-currents has been investigated for NaCl, NaBr, KCl, KBr, and KI with U centres. The presence of electrons at a level, U', somewhat higher than the U level has been demonstrated, and the energy differences between U and U' have been calc. for the five halides. C. R. H.																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
SUBJECT INDEX										AUTHOR INDEX									
SUBJECT INDEX										AUTHOR INDEX									

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
Loss of current in the series electrolytic production of chlorine. V. Poddubnykh, Khimvol 5, 2180-4(1933). Chas. Blanc																			
ASB-11A METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									



Photoelectric conduction in rock salt crystals under ultraviolet illumination. P. Tartakovskii and V. Podubnyi. *Fizik. Z. Sovetskii* 9, 407-12 (1986). A study of space charge created by photoconduction in rock salt crystals contg. V-centers has been carried out. Presumably, the electrons forming the space charge are bound to certain discrete levels lying on the disallowed energy zones of the crystal. An attempt has been made to locate the positions of these energy levels by measurement of the polarization currents produced by irradiation with radiations of different wave lengths. J. H. Webb.

ASB 31A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
18 The technical work of the chlorine factories of the U. S. S. R. in 1931. V. N. POPOVNII. <i>J. Chem. Ind. (Moscow)</i> 1932, No. 12, 26-31. H. M. LITCHER																																																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
1ST AND 2ND ORDERS																																																			
3RD AND 4TH ORDERS																																																			

L 39422-65 E.T(1)

ACCESSION NR: AR5006742

S/0044/64/000/012/0031/0032

SOURCE: Ref. zh. Matematika, Abs. 12V163

AUTHOR: Poddubnyy, V. V.

TITLE: One statistical characteristic of diffusing particles

CITED SOURCE: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, vyp. 44, 1964, 122-132

TOPIC TAGS: diffusing particle, statistics, Hermite polynomial, Jacobi polynomial, particle velocity

TRANSLATION: The space distribution of probabilities is calculated for the modulus of velocity $|V|$ of a particle diffusing so that its spherical coordinates (r, θ, φ) and their derivatives with respect to time are statistically independent and have a normal distribution with given parameters (in what follows, it is assumed that θ assumes a value in the interval $(0, \pi)$, φ - in the interval $(0, 2\pi)$, and r in the interval $(0, \infty)$.)

$$|v| = \sqrt{\dot{r}^2 + r^2(\dot{\theta}^2 + \sin^2 \theta \dot{\varphi}^2)}$$

Card 1/2

L 39422-65

ACCESSION NR: AR5006742

where a dot above the symbol signifies a derivative. The space distribution of the probabilities for $|\gamma|$ are calculated by the usual method, as for functions $f(r, \theta, \phi)$. As a result, an expression is derived in which non-elementary functions enter under the integral. The author approximates the expression under the integral by either Hermite or Jacobi polynomials of certain degrees. As a result, the space distribution of the probabilities for $|\gamma|$ are represented in the form of a fourth order summation of elementary functions with coefficients dependent on the characteristics of the space distribution of the probabilities of the coordinates of a particle and their derivatives. R. Matveyev.

SUB CODE: MA, GP

ENCL: 00

ml
Card 2/2

PODDUBNYI, V.V.

Stratigraphic section of the Lower Paleozoic of the southern
margin of the Anabar Massif. Trudy VNIGRI no.186:4-13 '61.

(MIRA 15:3)

(Anabar Shield--Geology, Stratigraphic)

VOLCHENKO, A.P.; POPOLUTNY, Ye.S.

A method for the solution of differential equations with an
electronic digital computer. Publ. Inst. teoret. astrof. 9
no.9:587-600 1964. (MIR) 10.12.

PODDUBNY, V.N.

Chemical Abst.
Vol. 65, No. 5
Mar. 10, 1964
Metallurgy and Metallography

30
The combustion of iron carbide. V. N. Poddubny
Zhur. Priklad. Khim. 26, 768-70 (1953).---A mechanism is
proposed for the oxidation of steel by air wherein iron car-
bonyl derived from iron carbide is the intermediate product
and provides the means of transfer of iron to the surface
of the scale by means of gaseous diffusion. An idealized
surface cross-section with possible reactions is given.
V. N. Bednarski

ILOZHEV, A.P.; PODDUBSKAYA, I.V.; ROZEN, A.M.

Distribution of butylphosphoric acids between aqueous solutions
and tributyl phosphate. Ekstr.; teor.,prim.,app. no.2:71-79
'62. (MIRA 15:9)

(Phosphoric acid) (Butyl phosphate) (Hydrolysis)

ILOZHEV, A. P. ; PODDUBSKAYA, I. V. ; ROZEN, A. M.

Distribution of butylphosphoric acids between aqueous solutions
and tributyl phosphate. Radiokhimiya 2 no.4:411-418 '60.

(MIRA 13:9)

(Phosphoric acid)

(Butyl phosphate)

PODDUBSKIY, I. V.

"Abortions in Horses." Sub 18 Apr 47, Moscow Zooveterinary Inst

Dissertations presented for degrees in science and engineering in
Moscow in 1947.

SO: Sum.No. 457, 18 Apr 55

PODDUBSKIY, I. V.

PA 31/49T84

USSR/Medicine - Anemia, Infectious
Medicine - Horses

Jul' 48

"From Letters to the Editor Pertaining to Observance
and Experience in Infectious Anemia in Horses," Prof
I. V. Poddubskiy, 5 pp

"Veterinariya" No 7

Summarizes contents of 13 letters on subject.

31/49T84

1. PODDUBSKIY, I.V. PROF: GUBIN, A.P. , YASHENKINA, M.I.
2. USSR (600)
4. Swamp fever
7. Allo-biophoric method in the diagnosis of infectious anemia of horses. [✓] ~~Uses~~.inst.
eksp. vct. 19, no. 1, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Uncl.

PODDUBSKIY, I.V.

Principles of the prevention of communicable diseases in domestic animals. Veterinariia 32 no.9:22-27 S '55. (MIRA 8:12)

1.Vsesoyuznyy institut eksperimental'noy veterinarii.
(COMMUNICABLE DISEASES IN ANIMALS--PREVENTION)

PODDUBSKIY, I.V., professor.

Melioidosis. Veterinariia 32 no.11:18-21 N '55. (MIRA 8:12)

1.Vsesoyuznyy institut eksperimental'noy veterinarii.
(MELIOIDOSIS)

~~PODUBSKIY~~, I.V., professor; POMINA, A.Ya., kandidat veterinarnykh nauk;
~~AKULOV~~, A.V., kandidat veterinarnykh nauk.

Diagnosis and prophylaxis of tuberculosis in chicken. Veteri-
naria 33 no.2:24-26 P '56. (MLRA 9:5)
(TUBERCULOSIS IN POULTRY)

PODDUBSKIY, I. V.

TUBERCULOSIS

"Methods of Combating Tuberculosis in Cattle in the USSR", by Doctor of Veterinary Sciences, Professor I. V. Poddubskiy, Vestnik Sel'skokhozyaystvennoy Nauki, No 5, May 1957, pp 67-77.

The author presents some data on cattle tuberculosis in the USSR. During the past 8 years (1949-1956), the number of infected regions has decreased 7 times. According to the author, the annual tuberculosis incidence compared with the period prior to World War II, has decreased from 1.5 to 0.2% on collective farms, and the number of tuberculous cases on January 1, 1957, was 0.5% of the total amount of cattle. Comparing the data on cattle tuberculosis in the USSR and other countries, the author concludes that there is far less tuberculosis among cattle in the USSR than in any other country with the exception of Denmark, Finland, Holland, and Sweden. The article also deals with the following problems: the role of different types of tubercular morbid agents; improvements in the diagnosis of tuberculosis; sanitation and veterinary measures aimed at the control of tuberculosis in highly infected herds; pasteurization of milk; and the possibility of the

Card 1/2

- 80 -

PODDUBSKIY, I.V. [Prof]

"Bovine Tuberculosis and Its Control in the USSR."

report presented at the 16th Intl Veterinary Congress, Madrid, 1959.
[Veterinariia 37(2):75-76, Feb 1960]

PODDUBSKIY, I.V., prof. zasluzhennyy deyatel' nauki RSFSR

Problems of the control and diagnosis of tuberculosis in cattle
and poultry. Veterinariia 39 no.5:45-50 My '62 (MIRA 18:1)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

PODDUBSKIY, I.V., prof.

Present-day tasks in the elimination of tuberculosis in
animals and poultry. Veterinariia 40 no.10:12-14 0'63.
(MIRA 17:5)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

PODDUBSKIY, I.V., prof.; SHCHUREVSKIY, V.Ye., kand.veter.nauk;
ALIKAYEVA, A.P.

Materials on a study of paratuberculosis in agricultural animals.
Trudy VIEV 26:115-134 '62. (MIRA 16:2)

1. Laboratoriya po izucheniyu tuberkuleza i paratuberkuleza
Vsesoyuznogo instituta eksperimental'noy veterinarii.
(Johne's disease)

PODDUBSKIY, I. V. (Professor, Honored Scientist of RSFSR, VIEV)

"Problems in the control and diagnosis of bovine and avian tuberculosis"

Veterinariya, vol. 39, no. 5, May 1962 pp. 45

PODDUBSKIY, I.V., prof., zasluzhennyy deyatel' nauki RSFSR.

Achievements of science and practical work in the control of infectious diseases in horses. Trudy VIV 23:295-304 '59. (MIRA 13:10)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Horses--Diseases and pests)

BRESLER, Semen Yefimovich; YERUSALIMSKIY, Boris L'vovich;
PODDUBNYI, I.Ya., doktor khim. nauk, red.

[Physics and chemistry of macromolecules] Fizika i khim
mii makromolekul. Moskva, Nauka, 1965. 508 p.
(MIRA 18:7)

PODDUETSEV, G.

There should be no indifferent workers. Fin.SSSR 37 no.2:14-15
F '63. (MIRA 16:2)

1. Zaveduyushchiy Verkhnedneprovskim rayonnyy finansovym
otdelom Dnepropetrovskoy oblasti.

(Verkhnedneprovsk District—Finance)
(Verkhnedneprovsk District—Industrial management)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																										13																									
<i>CA</i> The antifriction properties of plastic materials. B. A. Arkhangel'skii and P. M. Podduv. <i>Narodnyi Komissariat Tyazheloi Prom. S. S. R., Nauch.-Issledovatel. Inst. Plastikovykh Mass., Plastikovykh Massy, Shrom 2, MS-05(1937).</i> PhOH-CH₂O plastics evenly dispersed through a filler make satisfactory bearing surfaces. H. M. Leicester																																																			
ASB-SLA DETALLURGICAL LITERATURE CLASSIFICATION																										E 277																									
SANDRO *2																										SANDRO *2																									
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PODDUVNYY, Y. Y. and ERENBURG, E. G.

"Structure of the macromolecules, of synthetic rubbers," a paper
presented at the 9th Congress on the Chemistry and Physics of High Polymers,
28 Jan-2 Feb 57, Moscow. Polymer Research Inst.

B-3,084,395

PODDUVINYY, Y. Y.

"Molecular weight distribution in synthetic rubbers," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 28 Jan-2 Feb 57, Moscow, Polymer Research Inst.

B-3,084,395

PODDUYEV, P. M.

USSR/General Division. History. Classics.
Personalities.

A-2

Abs Jour : Ref Zhur-Biologiya, No 20, 1957, 85043

Author : P. V. Gorskiy, G. G. Samoylovich, P. M.
Podduyev, A. V. Cheremushkin, V. S. Moiseyev

Inst :
Title : Professor Nikolay Vasil'yevich Tret'yakov,
his Pedagogical, Scientific and Social
Activities (on his 75th Birthday)

Orig Pub : Tr. Leningr. lesotekhn. akad., 1956, vyp.
73, 219-230

Sylviculturist. See: RZhBiol, 1956, 43148

Abstract : No abstract.

Card 1/1

PODD'YAKOV, N.

Power and metal. Izobr. i rats. no.9:3,30 S '61. (MIRA 14:8)

1. Glavnyy spetsialist otдела ekonomiki i razvitiya chernoy
metallurgii Gosekonomsoвета SSSR.
(Machinery--Design and construction)

PODD'YAKOV, N.N.

Development of the mobility of visual concepts in preschool children. Vop. psikh. 11 no.1:100-112 Ja-F '65. (MIRA 18:4)

1. Institut doskol'nogo vospitaniya Akademii pedagogicheskikh nauk RSFSR, Moskva.

PODD'YAKOV, N.

Airplane engine as an excavator. Izobr. 1 rats. no. 4:2 of cover,
20-21 Ap '61. (MIRA 14:4)

1. Glavnyy spetsialist Gosekonomsoвета SSSR.
(Excavating machinery)

KULIKOVA, Ye., starshiy inzh.; MUKHIN, B., starshiy inzh.; PODD'YAKOV, N.

Consultations. Izobr. i rats. no.9:29 S '61. (MIRA 14:8)

1. Otdel izobretatel'skogo prava Komiteta po delam izobreteniy i otkrytiy (for Kulikova, Mukhin). 2. Glavnyy spetsialist otdela ekonomiki i razvitiya chernoy metallurgii Gosekonomsoвета SSSR (for Podd'yakov).

(Technological innovations)

ZINCHENKO, V.P.; PODD'YAKOV, N.N.

"Sense of touch in the processes of cognition and work" by B.G. Anan'ev and others. Reviewed by V.P.Zinchenko, N.N.Podd'iakov. Vop. psikhol. 6 no.5:145-152 S-O '60. (MIRA 13:11)

1. Institut psikhologii APN RSFSR, Moskva.
(Touch)
(Anan'ev, B.G.)

PODD'YAKOV, N.N.

Peculiarities of orienting activity in preschool children
in the formation and automatization of practical actions.
Vop.psikhol. 6 no.2:96-106 Mr-Apr '60. (MIRA 13:7)

1. Institut psikhologii APN RSPSR, Moskva.
(Orientation) (Learning, Psychology of)

PODD'YAKOV, Nikolay Vladimirovich; KUZ'MIN, Yuriy Nikolayevich; LUR'YE,
A.B., redaktor; VODOLAGINA, S.D., tekhnicheskiy redaktor

[Operation and repair of steam engines used in agriculture] Eksplyuata-
tsiya i remont lokomobilei v sel'skom khoziaistve. Moskva, Gos. izd-vo
selkhoz. lit-ry, 1956. 190 p. (MLRA 9:12)
(Farm engines) (Steam engines)

PODD'YAKOV, N. V.

(Economizing liquid fuels and lubricants in agriculture.) Moskva,
Gos. izd-vo sel'khoz. lit-ry, 1952. 119 p. (54-32109)

S675.P57

PODD'YAKOV, N.V.

[Economizing liquid fuels and lubricants in agriculture] ~~Ekonomia~~
shidkikh topliv i smazochnykh masel v sel'skom khoziaistve. Moskva,
Gos. izd-vo selkhoz lit-ry, 1952. 119 p. (MLRA 7:2)
(Liquid fuels) (Lubrication and lubricants)

PODD'YAKONOV, N.V.

USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of natural gases and petroleum. Motor fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5582

Author: Podd'yakonov, N. V.

Institution: Leningrad Institute of Agricultural Mechanization

Title: Determination of the Dimensions of Drops of Fuel Spray

Original

Publication: Sb. nauch. rabot Leningr. in-ta mekhanizatsii s.-kh., 1953, 9, 148-155

Abstract: A method is proposed, and a formula has been derived, for the calculation of the dimensions of the drops of a fuel being sprayed into the combustion chamber of an engine.

Card 1/1

PODD'YAKOV, N V

Ekonomiya Zhidkikh Topliv i Smazochnykh Masel V Sel'skom Khozyaystve (Economizing Liquid Fuels and Lubricants in Agriculture) Moskva, Sel'khozgiz, 1952. 119 P. Illus., Diagrms., Tables.

SO: N/5
723.1
.P74

PODD'YAKOV, Nikolay Vladimirovich; IOFINOVA, M.A., red.; BARANOVA,
L.G., tekhn.red.

[Working principle and operation of diesel engines and
locomobiles] Ustroistvo i ekspluatatsiia dizelei i loko-
mobilei. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 282 p.
(MIRA 12:9)

(Diesel engines)

(Steam motor cars)

PODD'YAKOV, H.Z.

Use of jet engines in mining. Izobr.i rats. no.2:2-3 F '60.

(MIRA 13:8)

1. Glavnyy spetsialist otdela chernoy metallurgii Gosplana SSSR.

(Jet propulsion)

(Mine haulage)

PODD'YAKOV, N. Z.

180T83

USSR/Metals - Laboratories

Nov 50

"On the Problem of Developing a Standard Plant Laboratory Layout for the Metallurgical Industry," N. Z. Podd'yakov, N. S. Orlova, Giprometz

"Zavod Lab" No 11, pp 1372-1379

Outlines functions of laboratories in metallurgical plants and suggests several variations for planning constr of metallurgical laboratories. Emphasizes importance of automatic mail system, pneumatic or elec, for delivering samples to lab and for sending anal results from lab to production shops.

180T83

PAVLOVSKAYA, V.S.; PODD'YAKOV, V.N.; FINKEL'SHTEYN, B.N.

Studying the aging of duralumin by the nuclear magnetic resonance method. Fiz. met. i metalloved. 10 no.3:346-349 S '60.

(MIRA 13:10)

1. Moskovskiy institut stali im. I.V.Stalina.
(Duralumin) (Nuclear magnetic resonance)

MASHOVETS, V.P.; PODDYMOV, V.P.

Thermodynamic properties of cadmium solutions in fused cadmium
bromides and iodides. Zhur. prikl. khim. 37 no.6:1268-1272 Je
'64. (MIRA 18:3)

1. Leningradskiy tekhnologicheskii institut imeni Lensovetu.

MASHOVETS, V.P. PODDYMОВ, V.P.

Thermodynamic properties of cadmium solutions in cadmium
chloride melts. Zhur. prikl. khim. 37 no. 4:813-819 Ap '64.
(MIRA 17:5)

MASHOVETS, V.P.; PODDYMOV, V.P.

Evaluation of certain thermodynamic functions of cadmium
subhalides. Zhur. prikl. khim. 38 no.5:1137-1139 My '65,
(MIRA 18:11)

VETUKOV, M.M.; BLYUSHEYN, M.L.; PODDYMNOV, V.P.

Vapor elasticity and the decomposition of molten $\text{NaF} - \text{AlF}_3$
systems. Izv.vys.ucheb.zav.; tsvet.met. 2 no.6:126-133
'59. (MIRA 13:4)

1. Leningradskiy politekhnicheskiy institut. Kafedra elektro-
pirometallurgii tsvetnykh metallov.
(Aluminum--Electrometallurgy) (Vapor pressure)

PODEBRADSKY, Z.

Economic evaluation of fodder. p. 337.

SBORNIK, RADA ZEMEDELSKA EKONOMIKA. Vol. 29, no. 5, Sept. 1956

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

POHL, L. V., Primar MUDr., Podebrady

Relationship between juvenile epistaxis and rheumatic
endocarditis. Cas. lek. cesk. 95 no.25-26:683-685 29 June 56.

1. L.V.P., Podebrady.

(EPISTAXIS, in inf. & child,

endocarditis & rheum. fever, prev. (Cz))

(ENDOCARDITIS, compl.

rheum. fever with epistaxis in child., prev. (Cz))

(RHEUMATIC FEVER, compl.

endocarditis with epistaxis in child., prev. (Cz))

TOBECAN, A.

"Current problems of measurement, elaboration, and reproduction of plans.
p. 158, (GEODETSKI LISTI, Vol. 8, No. 5/8, May/Aug. 1954, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, No. 4,
Apr 1955, Uncl.

PODEANU, A. Paunescu, prof.

Early diagnosis of hypertensive diseases (with special reference to industrial workers). Med. intern. 14 no.4:561-563 My '62.

(HYPERTENSION) (OCCUPATIONAL DISEASES)

(INDUSTRIAL MEDICINE)

PODEANU, M.

Substitution for picker belts. p. 175.

(INDUSTRIA TEXTILA. Vol. 8, No. 4, Apr. 1957, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

9

ea

Hydrogen welding. A. G. Podiko and I. F. Golubev.
Atmosfera Dolo (U. S. S. R.) 5, No. 6, 12 14(1934). - The
 use of the hydrogen flame has many advantages, especially
 in the welding of thin metal products. A special app. for
 the production of H from NH₃ is described; the use of this
 app. eliminates the necessity of storing H and thus greatly
 facilitates its use. L. Iacovlev

AS 50.514 METALLOGRAPHICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
BC B-2-4 Hydrogen-welding. A. G. Ponomarev and I. F. Golubev (Aviogen. Delo U.S.S.R., 1934, 5, No. 6, 12-14).—An apparatus for producing H₂ from NH₃ is described. Advantages of using H₂ are discussed. Un. Ass. (c)																																																			
COMMON ELEMENTS OPEN MATERIALS INDEX ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION EDSON STUDY INDEX EDSON INDEX																																																			
1ST AND 2ND ORDERS 3RD AND 4TH ORDERS																																																			

PODEL, L., inz.

Long-range plan for quarries. Stavivo 41 no.7:253-256 J1 1963.

PODEL, R.

Modern stoping methods in quarrying. Epitoanyag 16 no.1:
18-25 Ja'64.

1. Epiteszeti Kutato Intezet, Bratislava.

PODEL, Radovan, inz.

Optimum height of mining faces. Rudy 11 no.4:129-133 Ap '63.

1. Vyzkumny ustav stavebnictvi Bratislava, oddeleni trhaci
techniky a skalnich praci Brno.

PODEMISAKOVA, B., inz.

Remarks on the A. Zatloukal article "Gas in households, the most effective kind of refined energy." Paliva 44 no.10:320-321 C 1972.

1. Research Institute of Power Engineering, Prague.

GULYAYEVA, L.A.; ZAV'YALOV, V.A.; PODEL'KO, Ye.Ya.; SARKISYAN, S.G., prof.,
otv. red.; MAKARENKO, M.G., red. izd-va; ROMANOV, G.N., tekhn.
red.

[Geochemistry of domanik sediments in the Volga-Ural region] Geo-
khimiia domanikovykh otlozhenii Volgo-Ural'skoi oblasti. Moskva,
Izd-vo Akad. nauk SSSR, 1961. 102 p. (MIRA 14:8)
(Volga-Ural region--Shale)

PODEL'SHCHIKOV, G.

A mass campaign for knowledge. Sov. profsoiuzy 16 no.22:26-28
0 '60. (MIRA 13:11)

1. Predsedatel' Moskovskogo oblastnogo soveta profsoyuzov.
(Moscow Province--Evening and continuation schools)
(Trade unions)

PODEL'SHCHIKOV, G.

Let's make room for community participation. Okhr.truda i sots.
strakh. 5 no.10:3-4 0 '62. (MIRA 15:11)

1. Predsedatel' Moskovskogo oblastnogo soveta professional'nykh
soyuzov.

(Trade unions) (Industrial hygiene)

PODEL'SHCHIKOV, G.

You can't adhere to the old times. Sov. profsoiuzy 18 no.20:10-
12 0 '62. (MIRA 15:10)

1. Predsedatel' Moskovskogo oblastnogo soveta professional'nykh
soyuzov.

(Trade unions—Officers)

PODEL'SHCHIKOV, G.

Innovators' initiative and the economy. Sov. profsoiuzy 19
no.13:6-8 J1 '63. (MIRA 16:9)

1. Predsedatel' Moskovskogo oblastnogo promyshlennostno soveta
professional'nykh soyuzov.
(Moscow Province--Suggestion systems) (Technological innovations)
(Moscow Province--Trade unions)

PODEL'SHCHIKOV, G., delegat XXII s"yezda Kommunisticheskoy partii
Sovetskogo Soyuz

Party has decided and we will carry it out! Okhr.truda i sots.
strakh. 4 no.12:7-8 D '61. (MIRA 14:11)

1. Predsedatel' Moskovskogo oblastnogo soveta profsoyuzov.
(Moscow Province--Industrial hygiene)

PODEL' SHCHIKOV, G.

In the land of friends. Sov. profsoiuzy 17 no.7:43-45 Ap '61.
(MIRA 14:3)

1. Predsedatel' Moskovskogo oblastnogo soveta profsoyuzov.
(Russia--Relations (General) with Cuba)
(Cuba--Trade unions)

PODEB'SHCHIKOV, G.

Assistance by specialized groups to village workers. Sov.prof-
soiuzy 16 no.10:42-44 My '60. (MIRA 13:6)

1. Predsedatel' Moskovskogo oblastnogo soveta profsoyuzov.
(Moscow Province--Agriculture--Trade unions)

PODEL'SHCHIKOV, G.

Changes that were called for by real life. Sov.profsoiuzy 6
no.8:27-32 J1 '58. (MIRA 11:9)

1.Predsedatel' Moskovskogo oblastnogo soveta profsoyuzov.
(Trade unions)

PODEL'SHCHIKOV, G.

Most urgent and most important task. Sov. profsoiuzy 7 no.6:15-20
Mr '59. (MIRA 12:6)

1. Predsedatel' Moskovskogo oblastnogo soveta profsoyuzov.
(Moscow Province - Labor productivity)

PODEL'SHCHIKOV, Grigoriy Vasil'yevich; TARARUKHIN, A., red.; KUZNETSOVA, A.,
tekh. red.

[The will and labor work/wonders] Volia i trud divnye vskhody
daiut. Moskva, Mosk.rabochii, 1961. 61 p. (MIRA 14:12)

1. Prędsedatel' Moskovskogo oblastnogo Soveta professional'nykh
soyuzov (for Podel'shchikov).
(Labor and laboring classes)

PODEL'SKIY, M.

Description of improvements in the operation of the purifying
apparatus of the Krasnodar Petroleum Refinery. Khim.i tekhn.
topl.i masel no.4:59-61 Ap '57. (MLRA 10:7)
(Sewage--Purification)

PODEMSKI, Andrzej, mgr inz.

The theory of the running magnetic field in induction meters.
Pomiary 8 no.11:504-508 N '62.

P/034/62/000/011/001/001
D265/D308

9.9960
AUTHOR:

Podemski, Andrzej, Master of Engineering

TITLE:

Theory of travelling magnetic field in induction meters

PERIODICAL:

Pomiary, automatyka, kontrola, no. 11, 1962, 504-508

TEXT:

The author provides the theoretical analysis, confirmed by his experimental work, as a reply to a paper by Y.I. Atemborskiy (Trudy VNIIEP no. 1, 1959) in which wrong assumptions led to erroneous conclusions. The author shows that the travelling magnetic field in the air gap is limited in space and can be regarded as a superposition of non-sinusoidal pulsating fields which in the case of a disc type meter depend on the geometrical parameters of the air gap. The dynamic response of the meter disc acted upon by the magnetic field is shown to result from forces due to 3 fields: concurrent, counter and pulsating. The synchronous characteristics of the disc type meter expressed in terms of the amplitudes of the travelling fields B_1 and B_2 and the pulsating field B_0 is obtained

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Theory of travelling magnetic field ... P/034/62/000/011/001/001
D265/D308

$$n = n_s \frac{B_1^2 - B_2^2}{B_1^2 + B_2^2 + B_0^2} \quad (15)$$

n_s being the synchronous speed, B_1 the concurrent field and B_2 the counter field intensity. If $B_2 = 0$ the maximum speed differs from the synchronous speed owing to the influence of the pulsating field which was not accounted for by Atemborskiy. There are 8 figures and 2 tables.

ASSOCIATION: Zakład Automatyki i Miernictwa Instytutu Elektro-
techniki (Establishment of Automation and Metrology
of the Institute of Electrotechnology)

Card 2/2

ACCESSION NR: AP4037407

P/0034/64/000/005/0207/0209

AUTHOR: Podemski, Andrzej (Doctor of engineering); Magier, Roman (Master of engineering)

TITLE: New device for testing bands and band suspensions of electric meters

SOURCE: Pomiar, automatyka, kontrola, no. 5, 207-209

TOPIC TAGS: electric meter, band-testing device, suspension, hysteresis, elastic lag, reverse moment, band fastening, tension, quality control, automation

ABSTRACT: Replacement of bearings by suspension of the moving part of electric meters on bands requires a number of tests of the suspension and its elements during both designing and production. Such suspension has eliminated bearing friction, but brought hysteresis and elastic lag, and additional dependence of the reverse moment upon the direction of motion of the moving part. The chief causes of hysteresis and elastic lag are the material and design of the band, tensions in the band and their history, and the manner of fastening the band in the holders (soldering, clamping, use of cross bars, etc.). The type, fastening and tension of the band should be such that hysteresis and elastic lag do not

Card 1/2

ACCESSION NR: AP4037407

exceed specified values. An apparatus to test the effect of these values and also to control the quality of the bands supplied was built by the Chair of Electric Measurement of the Szczecin Polytechnic in collaboration with the Establishment for Automation and Measurement of the Institute of Electrotechnology for the J. Krasicki Production Works for Measuring Instruments. The author describes the design and operation of this device and his testing method, and gives the results of the preliminary tests. Orig. art. has: 6 figures, 1 table.

ASSOCIATION: Katedra Miernictwa Elektrycznego, Politechnika Szczecińska, Szczecin, (Chair of Electric Measurement, Szczecin Polytechnic Institute)

SUBMITTED: 00

DATE ACQ: 09Jun64

ENCL: 00

SUB CODE: EE

NO REF SOV: 002

OTHER: 003

Card 2/2

PODEMSKI, Jan

Application of plastics in the construction of blanking dies.
Przegl kolej mechan 14 no.11:347-352 N '62.

1. Centralne Biuro Konstrukcyjne Wagonowe, Ostrow Wlkp.

PODEMSKI, Maciej

Development of the sedimentation of Zechstein formations in the Lubin Legnicki--Sieroszowice region. Kwartalnik geol 9 no.1: 115-130 '65.

1. Department of Deposits of Salt and Chemical Raw Materials of the Institute of Geology, Warsaw. Submitted January 15, 1964.

PODEMSKI, Maciej

POLAND

PODEMSKI, Maciej

Department of Deposits of Petroleum, Salts, and Chemical
Raw Materials, Geological Institute (Zaklad Zloz Ropy,
Soli, i Surowcow Chemicznych)

Warsaw, Kwartalnik geologiczny, No 3, 1963, pp 511-12.

"Problem of Sedimentation of the Cechsztyn in the Lubin,
Legnicki, Sieroszowice Region".

EYZEN, O. [Eisen, O.], kand. tekhn. nauk; ARUMEYEL, E. [Arumeel, E.];
EYZEN, Yu. [Eisen, J.]; RAUDE, Kh. [Raude, H.]; PYDER, I.
[Poder, I.]; KIRRET, O.; LAKHE, L. [Lahe, L.]; VYANIKVER,
M. [Vanikver, M.]

Determining the individual composition of the middle
fractions of oil-shale tar by the gas chromatographic
and the spectrum analysis methods. Izv. AN Est. SSR. Ser.
fiz.-mat. i tekhn. nauk 13 no.2:135-142 '64.

(MIRA 17:9)

1. Institut khimii AN Estonskoy SSSR. 2. Chlen-korrespondent
AN Estonskoy SSR (for Kirret).

SOLODOVNIK, L.G.; MAYKOV, O.A.; VASHUKOV, I.A.; PODERGIN, V.A.

Special core mixtures for casting iron cylinders. Lit. proizv.
no.6:36 Je '62. (MIRA 15:6)
(Sand, Foundry) (Coremaking)

PODERGIN, V.A.; VASHUKOV, I.A.

Casting foundation parts for large metal-cutting machines without
using chills. Lit. proizv. no.9:26 S '61. (MIRA 14:9)
(Iron founding)

SAMSONOV, G.V. [Samsonov, H.V.]; PODERGIN, V.A. [Pod'orhin, V.A.]

Process of reduction of lanthanum and cerium oxides by aluminum
in a vacuum. Dop. AN URSSR no.12:1609-1612 '63. (MIRA 17:9)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR i
Khimiko-metallurgicheskii institut Sibirskogo otdeleniya AN SSSR.
2. Chlen-korrespondent AN UkrSSR (for Samsonov).

L 25048-65 EWT(m)/EPR/EWP(t)/EWP(b) Ps-4 IJP(c) JD/JG/MLK

ACCESSION NR: AT4048713

S/0000/64/000/000/0172/0176

AUTHOR: Podergin, V.A.; Samsonov, G.V. 21
B+1

TITLE: Thermometallic reduction for preparing the aluminides of rare earth metals,
their properties and fields of application 27 27

SOURCE: Vsesoyuznoye soveshchaniye po splavam redkikh metallov, 1963. Voprosy*
teorii i primeneniya redkozemel'nykh metallov (Problems in the theory and use of rare-
earth metals); materialy* soveshchaniya. Moscow, Izd-vo Nauka, 1964, 172-176

TOPIC TAGS: thermal reduction, rare earth aluminide, rare earth oxide, metal oxide
reduction, aluminum oxidation, aluminum alloy

ABSTRACT: The authors report the results of a study on the thermal reduction by alumi-
num of La_2O_3 , CeO_2 and Pr_6O_{11} to obtain alloys and aluminides of the rare earths. Ex-
perimental reduction was carried out with a mixture of gypsum and alumina powder of
varying mesh size under normal pressure. To determine the effect of the specific thermal
process on the reduction of La, Ce and Pr oxides, values of 500 - 1650 kcal/kg were
selected from which the charge was calculated. The thermal effect of the reduction re-
action was, e.g., 83.7 kcal/mole La_2O_3 . The process worked best with 800 - 1100 kcal/kg

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L 25048-65

ACCESSION NR: AT4048713

and a fine aluminum powder. The reaction rate was directly proportional to the thermal characteristics of the process and the fineness of the Al_2O_3 powder in the charge; optimal values were 850 kcal/kg for La and Ce oxide and 1000 kcal/kg for Pr oxide, with yields of 25-55%. Tests of the same kind conducted at 1000-1600C in a vacuum showed that reduction proceeds with the formation of Al_2O_3 . In a vacuum, the reduction process starts above 800C, and its rate increases with increasing temperature. Curves characterizing the reduction process of La, for example, showed 2 sharp peaks; the first at 820C had a negative thermal effect with a correspondingly lowered pressure in the reaction space of the furnace, while the second, at 1040C, represented the second stage of oxide reduction; the reaction then continued with a positive thermal effect and a higher intensity. Chemical and X-ray analysis of the reaction products showed that the 2 peaks correspond to partial reduction and aluminate formation, respectively. The reaction was not yet complete at 1700C. An excess of Al_2O_3 considerably increased the reduction process. In this way, aluminides of La and Ce were obtained. The melts of La and Ce with Al_2O_3 thus obtained were used for the modification and alloying of pure Al_2O_3 . Tests showed that such melts, containing 20-30% rare earths, readily dissolve in Al_2O_3 upon slight heating. Orig. art. has: 4 formulas and 3 figures.

Card 2/3

L 25018-65

ACCESSION NR: AT4048713

ASSOCIATION: none

SUBMITTED: 13Jun64

ENCL: 00

0
SUB CODE: MM,TD

NO REF SOV: 001

OTHER: 001

Cord 3/3

ACCESSION NR: AP4021560

S/0136/64/000/003/0058/0062

AUTHOR: Podergin, V. A.; Samsonov, G. V.

TITLE: Aluminothermic Production of Aluminum-Cerium alloys

SOURCE: Tsvetny*ye metally*, no. 3, 1964, 59-62

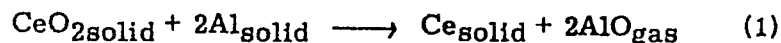
TOPIC TAGS: aluminothermic reduction, cerium, aluminum, vacuum furnace, aluminum cerium alloy

ABSTRACT: In earlier papers N. N. Murach and U. D. Vertyagin [Buepechnaya metallotermiya (Furnace exterior metallotherm), metallurgizdat, 1956] referred to metallothermic reduction of rare-earth metal oxides as the most promising method of alloy production. Since little information is available on this process the authors investigated the aluminothermic reduction of cerium dioxide under a vacuum for the purpose of aluminocerium alloy production. Specimens were heated at 800C for 2 hours. The mixed cerium and aluminum dioxide powder was compressed into 15-20 mm high cylindrical rods with an 18 mm diameter. The

Card 1/3

ACCESSION NR: AP4021560

process of reduction was observed in a TVV-34 vacuum furnace with an EPP-09-MI temperature control device. The initial pressure was 10^{-4} mm Hg. Within a temperature range of 1000 to 1600 C volatile aluminum oxide formed according to the formula



Thermal analysis of the CeO_2 -2Al system showed the reduction reaction occurring in three stages, the last being observed at 1070C. Above that temperature, metallic cerium was identified showing that aluminate had been reduced. The reaction is accompanied by a positive heat effect and by the formation of a gaseous product. The color of the rod surfaces makes it possible to evaluate the degree of reduction. At 800-850C they are greenish-yellow turning a deep yellow at higher temperatures and above 1300C surface decomposition is identifiable by a black coloring. Cerium aluminate was detected within the 900-1400C range. The purity of the resulting metallic cerium does not exceed $\pm 5\%$ but can be heightened by using a crucible that does not react with the reduced hot cerium. Tests proved the possibility of producing alloys with the desired composition at 1500C with a two-hour holding period. Above that temperature, the cerium con-

Cord2/3

ACCESSION NR: AP4021560

tent in the alloy decreases. The grain fineness affects reduction and $\leq 0.053\text{mm}$ was found to be the most favorable aluminum powder grain size. Tests showed the best pelletizing pressure to be equal to 150 kg/cm^2 . Unpressed specimens are not fully reduced. Investigations of the microstructure showed that above 1300 C reduction was most complete. After completed reaction the specimens have a metallic appearance, a pipe on top, a smooth and clear surface, and a fine-crystalline fracture. The investigation opens the road for industrial production of aluminum-cerium and other rare-metal alloys. Orig. art. has: 2 figures, 1 table, 2 formulae

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 08Apr64

ENCL: 00

SUB CODE: IC, MM

NO REF SOV: 004

OTHER: 003

Card 3/3

SINEL'NIKOVA, Vera Semenovna; PODERGIN, Veniamin Alekseyevich;
MECHNIK, Viktor Nikolayevich; SAMSONOV, G.V., red.

[Aluminides] Aliuminidy. Kiev, Naukova dumka, 1965. 240 p.
(MIRA 18:11)

1. Chlen-korrespondent AN Ukr.SSR (for Samsonov).